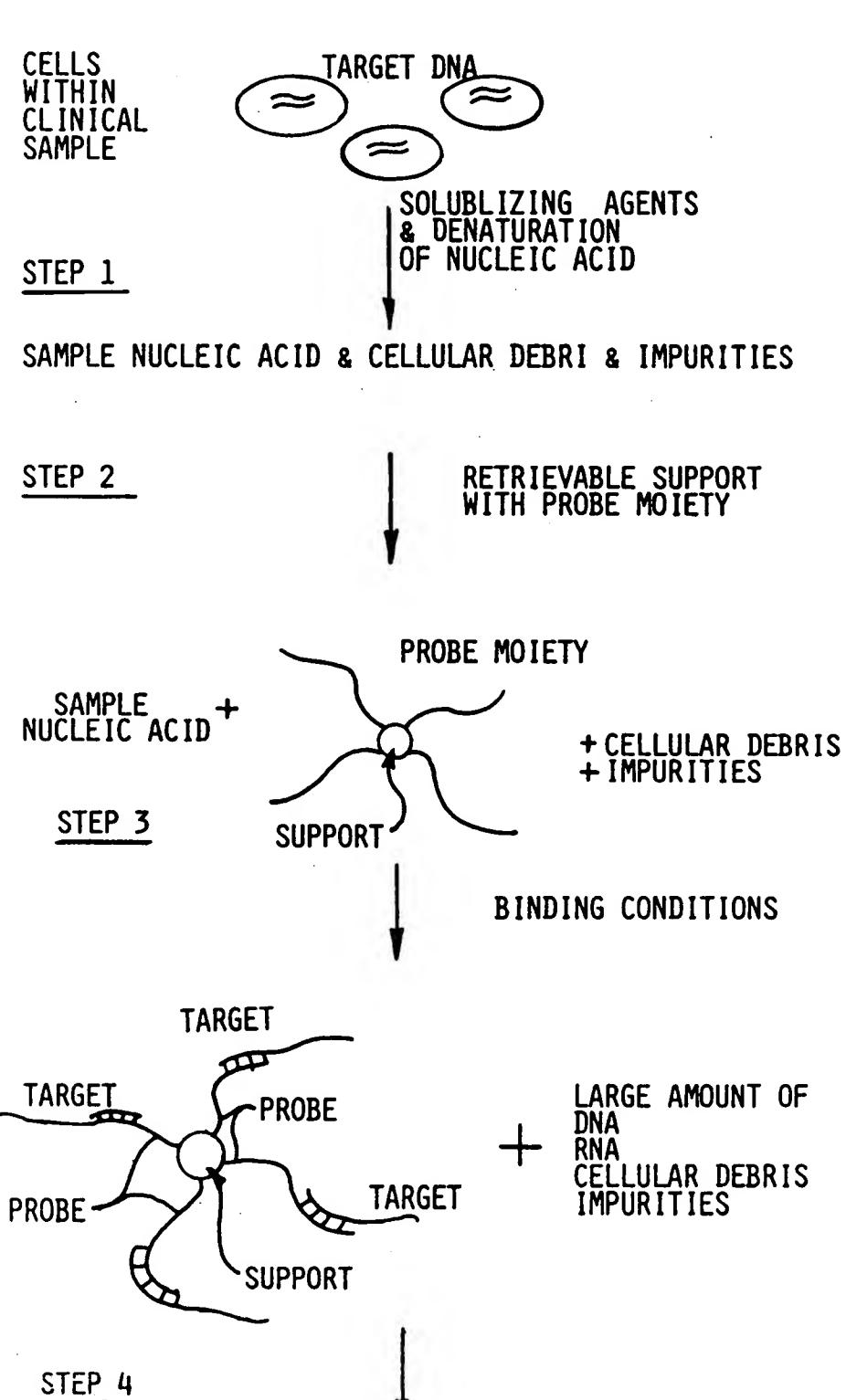
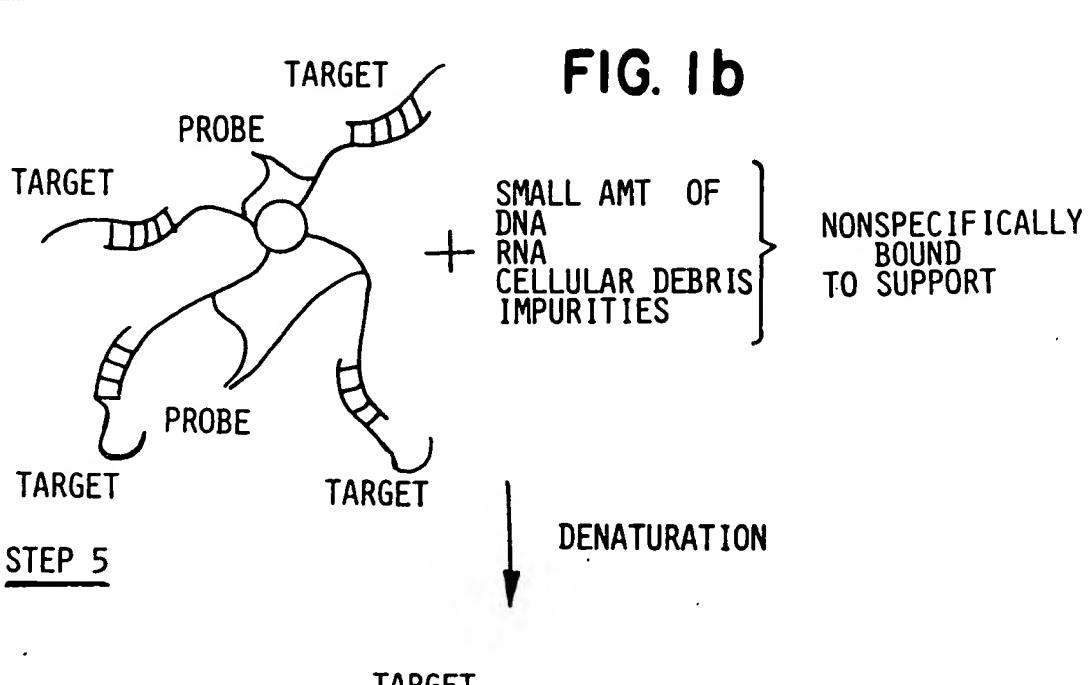
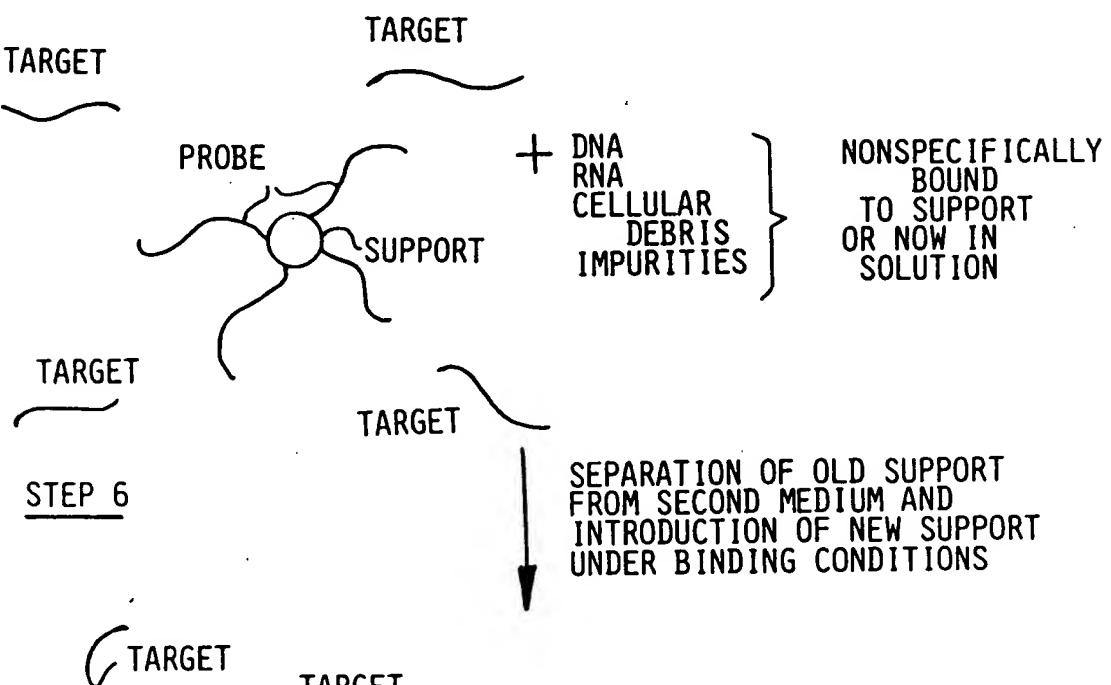
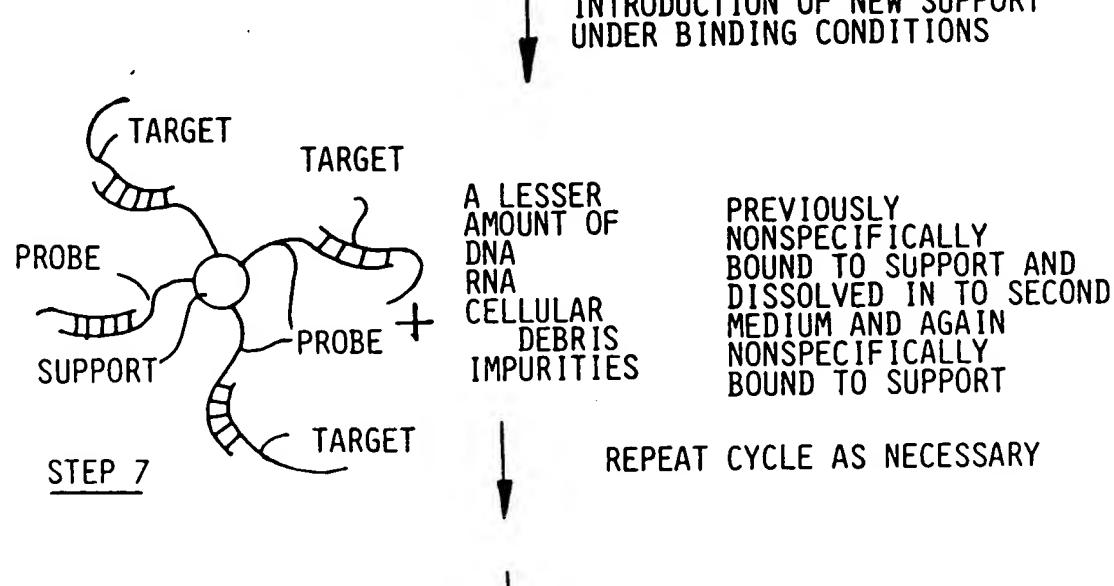
## FIG. la



The state and their thei



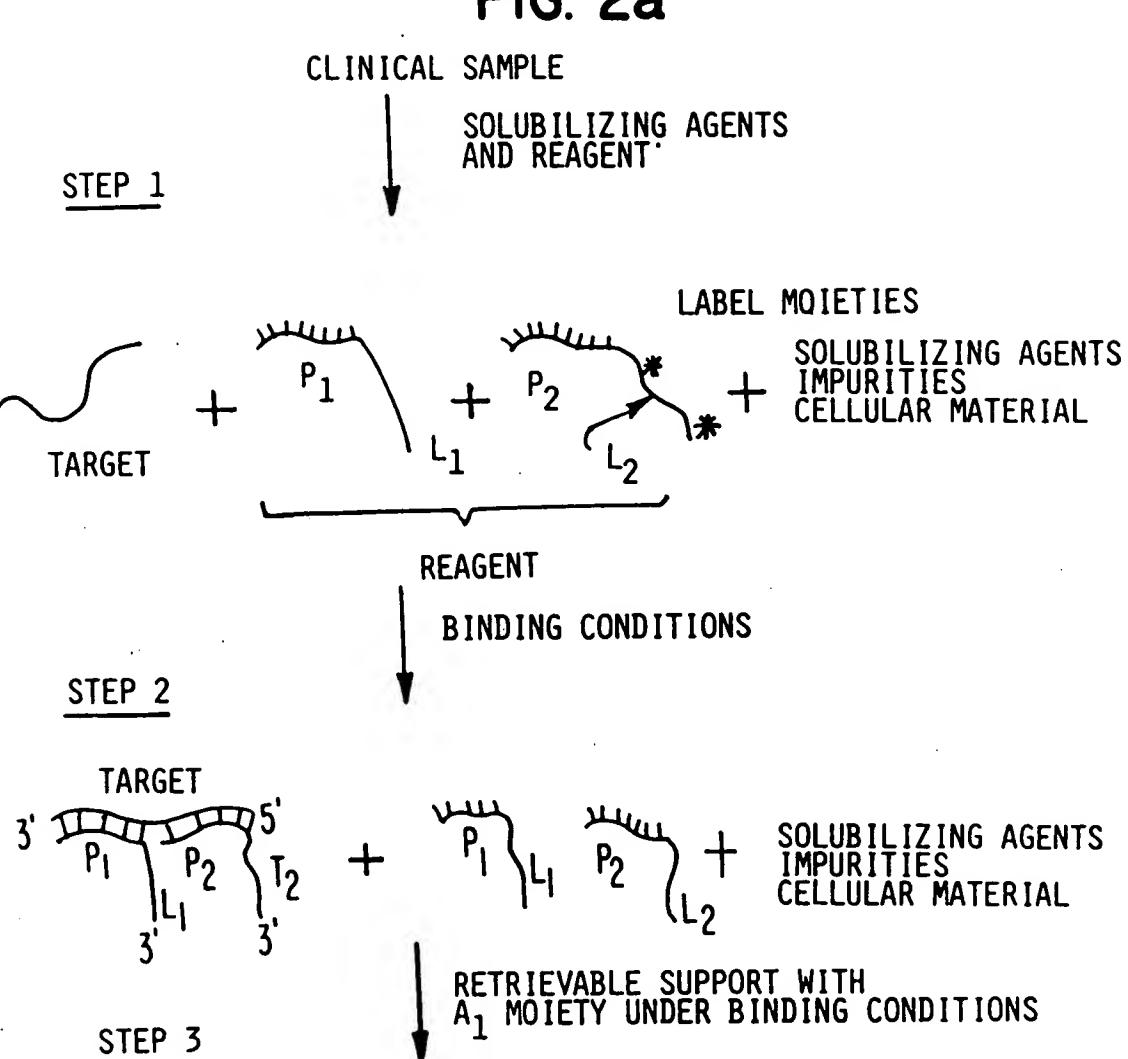


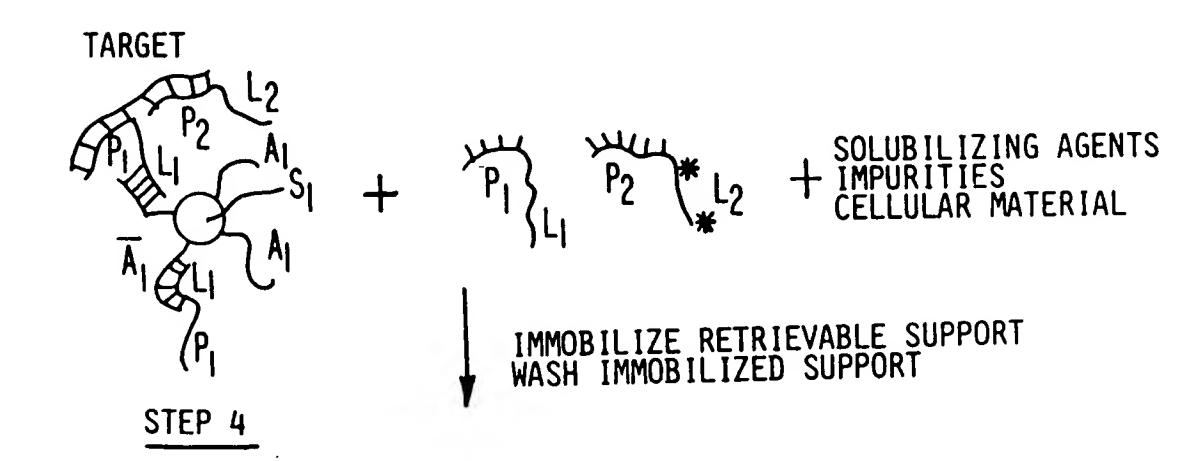


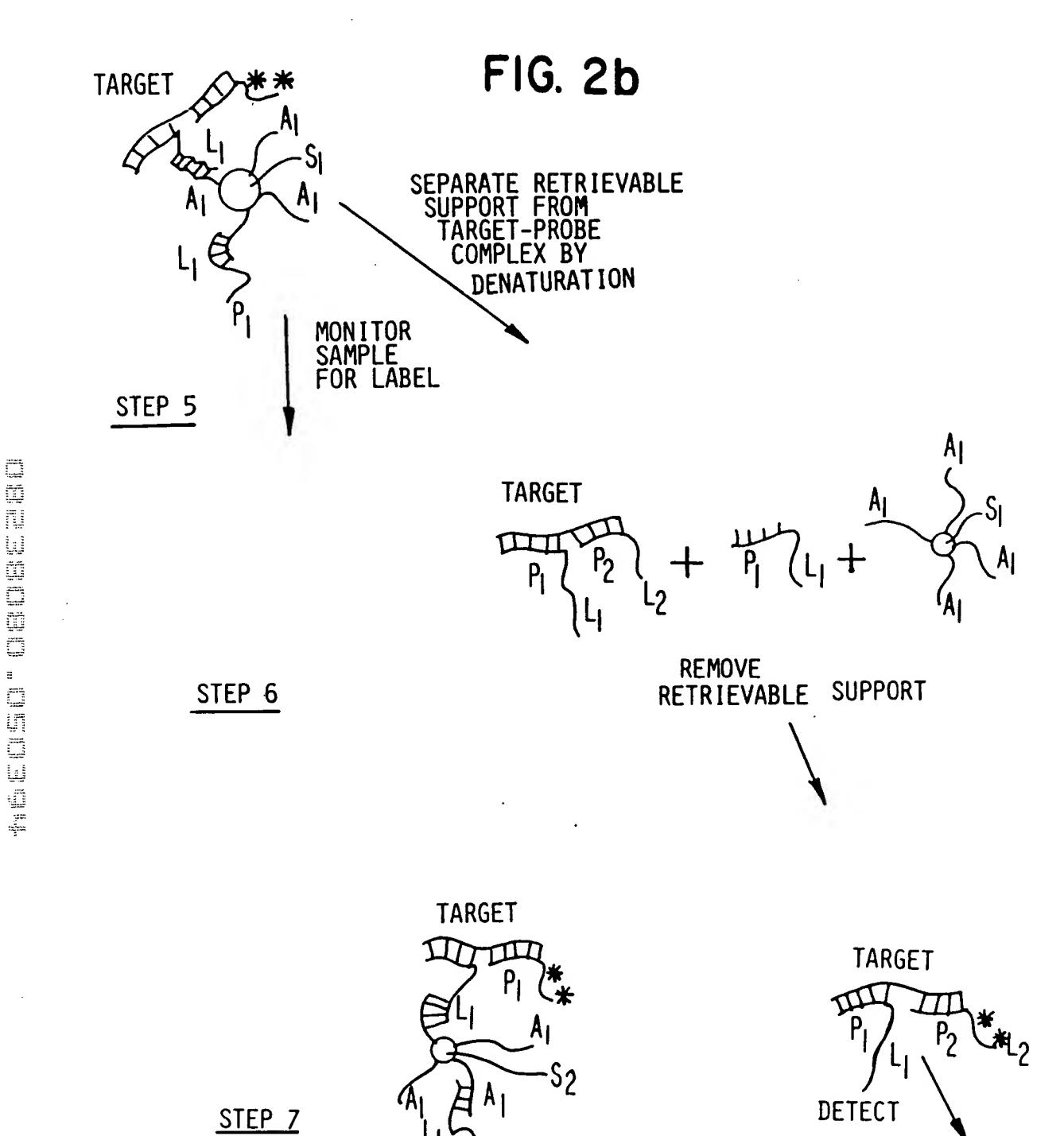
STEP 8

DETECT TARGET

## FIG. 2a



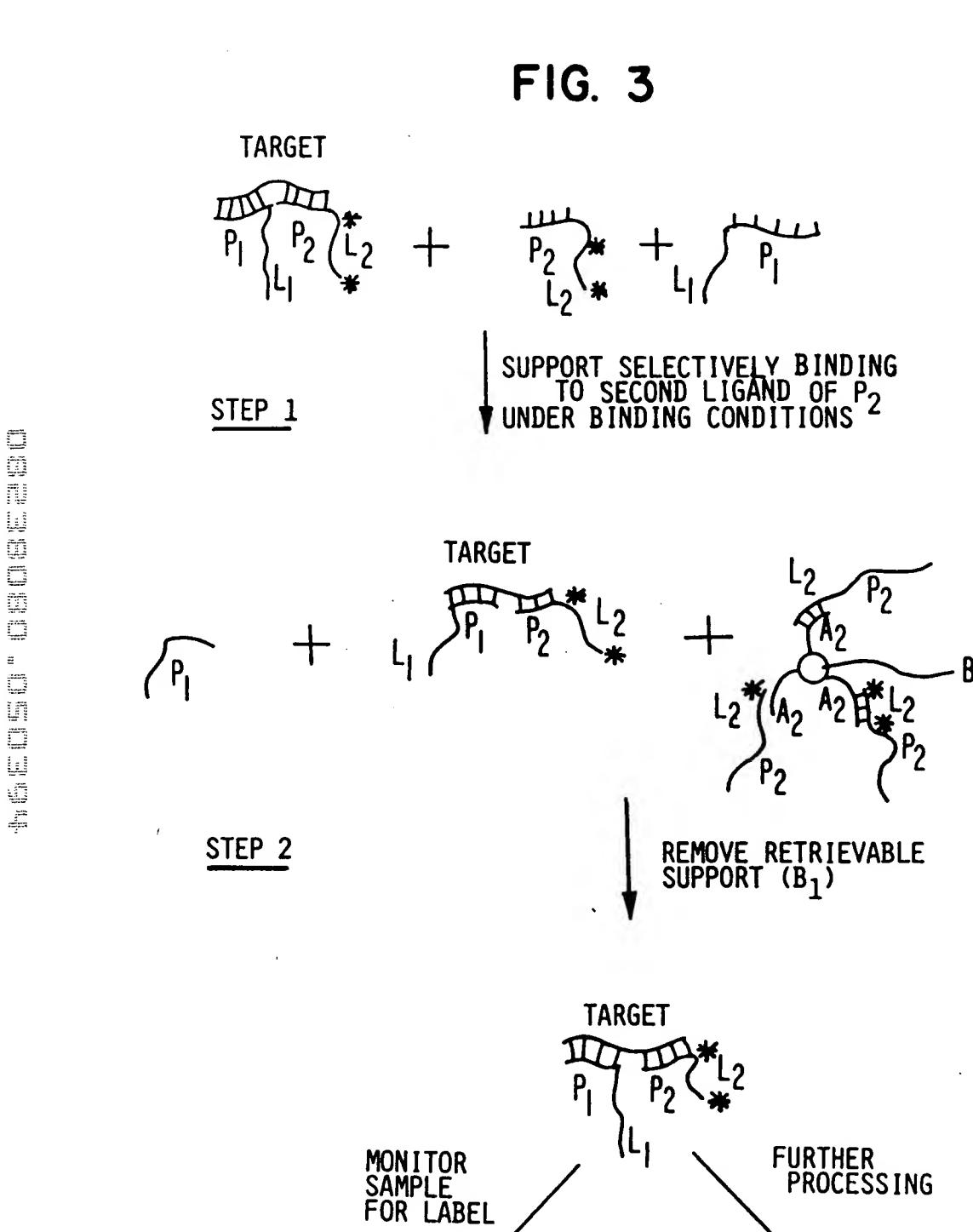




MONITOR SAMPLE FOR LABEL

REPEAT CYCLE

STEP 8



STEP 3

FIG.4

TARGET DNA IN ROUGH SAMPLE

CAPTURE PROBE(RECA PROTEIN COATED)
CAPTURE BEAD
BINDING CONDITIONS

BEAD
COMPLEMENTARY
HOMOPOLYMER TAILS

STEP 2

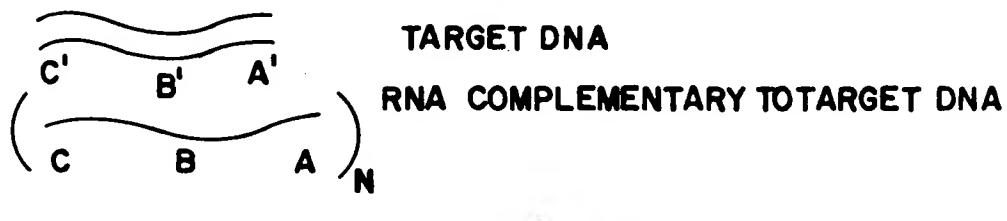
STEPI

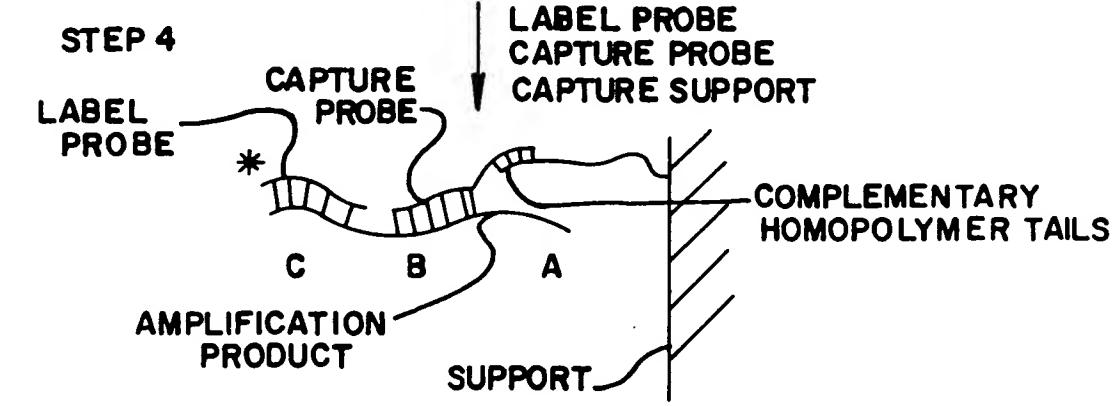
ISOLATE BEADS

TARGET DNA (SUBSTANTIALLY FREE OF SAMPLE IMPURITIES, DEBRI, EXTRANEOUS POLYNUCLEOTIDES

STEP 3

CORE RNA POLYMERASE LOW SALT BUFFER





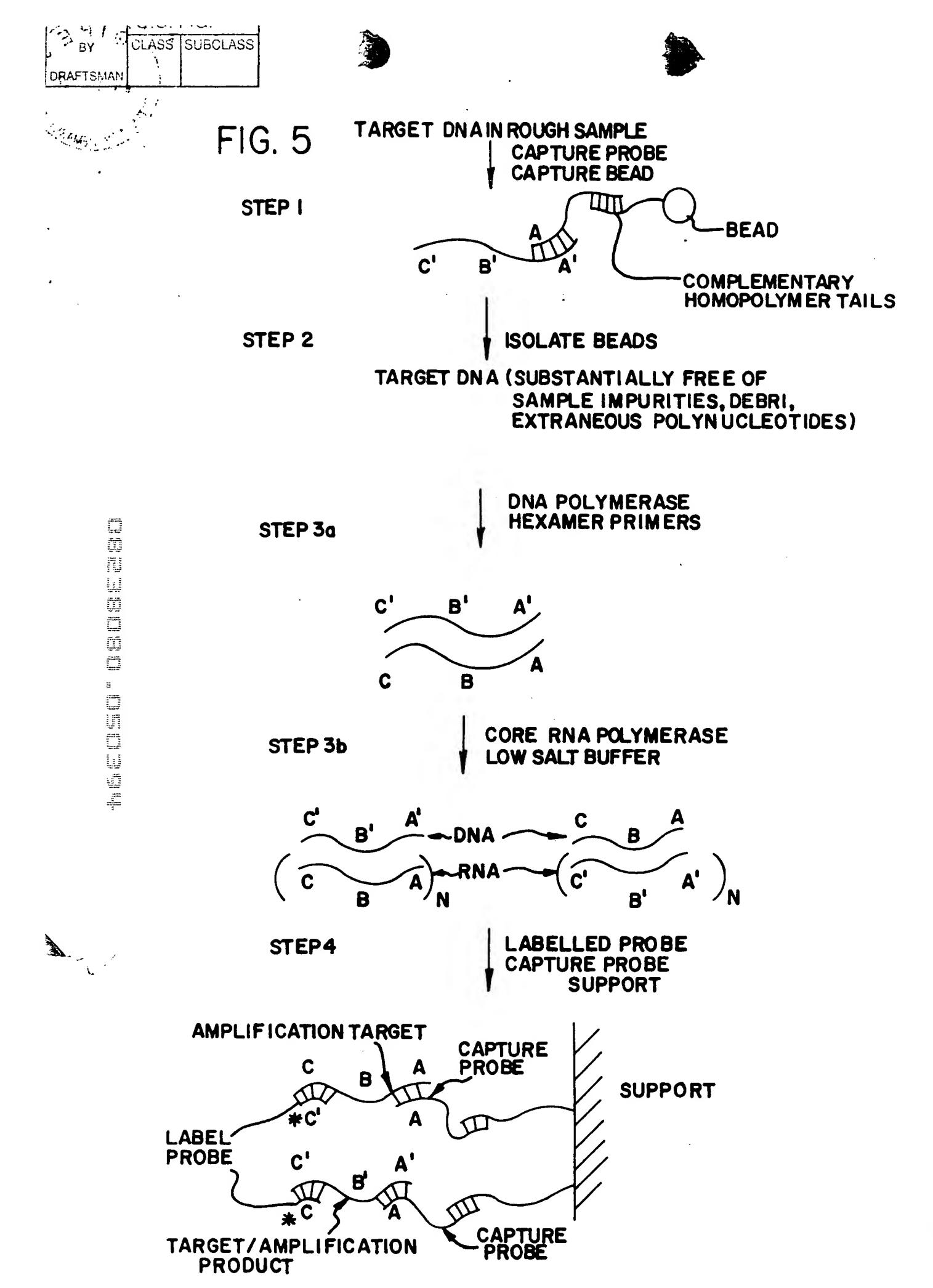
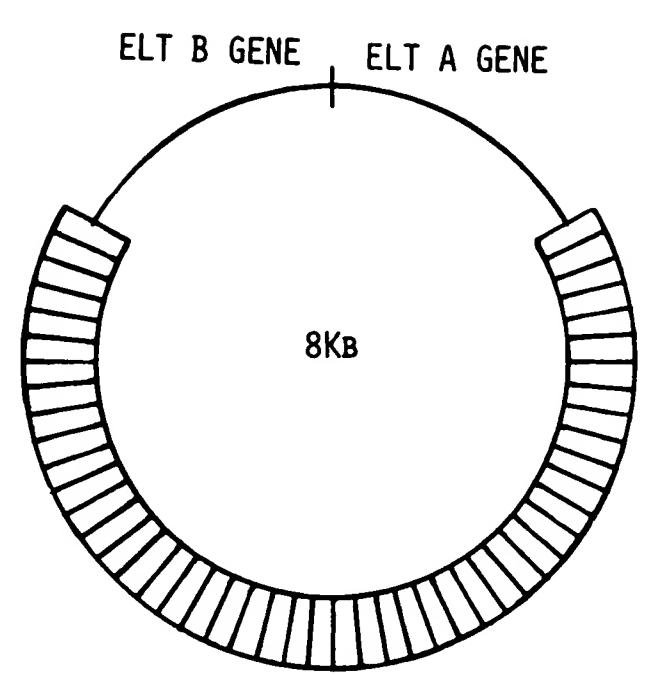


FIG. 7 SAMPLE SOLUBILIZING AGENTS FIRST SUPPORT REAGENT **CONVEY ING REACTION** MEANS **VESSEL** AGITATION ELEMENT HEATER ELEMENT AGITATION ELEMENT STATION 1 STATION 2 STATION 3 The train that the first that the SECOND SUPPORT SAMPLE MEDIA WASH FIRST \* SUPPORT 46666 D COOL ING ELEMENT MAGNETIC #EAT ING ELEMENT ELEMENT STATION 4 STATION 5 STATION 6 SECOND MEDIA STATION 7 STATION 8 STATION 9 DETECTOR STATION 10







PBR322-LIKE SEQUENCES

FIG. 8